



OMB No. 0651-0011

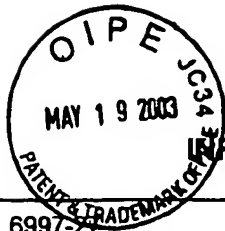
INFORMATION DISCLOSURE CITATION

Atty. Dock t No. 6997-27	Appln. No. 10/032,468
Applicant Steven Martin HUDSON et al.	
Filing Dat January 2, 2002	Group: Not Yet Assigned

U.S. PATENT DOCUMENTS						
Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date if Appropria
TE	3,150,321	09/22/64	Summers	325	28	
TE	3,333,239	07/25/67	Silverman	340	18	
TE	3,831,138	08/20/74	Rammner	340	18 LD	
TE	4,525,715	06/25/85	Smith	340	854	
TE	4,684,946	08/04/87	Issenmann	340	855	RECEIVED
TE	4,785,247	11/15/88	Meador et al.	324	338	MAY 20 2003
TE	5,130,706	07/14/92	Van Steenwyk	340	854.6	Technology Center 2600
TE	5,189,415	02/23/93	Shimada et al.	340	854.6	
TE	5,396,232	03/07/95	Mathieu et al.	340	854.5	
TE	5,512,889	04/30/96	Fletcher	340	854.6	
TE	5,945,923	08/31/99	Soulier	340	854.6	

FOREIGN PATENT DOCUMENTS						
	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
TE	0 295 712 A2	12/21/88	EPO	I	I	Yes
TE	0 816 632 A1	01/7/98	EPO	I	I	No
TE	0 995 877 A1	04/26/00	EPO	I	I	No
TE	1 130 418 A1	09/05/01	EPO	I	I	No
TE	2.205.996	5/31/74	France	I	I	No
TE	WO 98/06924	02/19/98	WIPO	I	I	Yes
TE	WO 99/08035	02/18/99	WIPO	I	I	Yes - Abstract

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
TE	R. Magliona et al., "Electromagnetic Transmission Improvements Applied to On/offshore Drilling in the Mediterran an Area," February 1194
TE	L. Soulier et al., "E.M. MWD Data Transmission Status and Perspectiv s," paper prepared for pres ntation at 1993 SPE/IADC Drilling conference held in Amsterdam February 23-25, 1993.
TE	"Second-generation MWD tool"< Oil and Gas Journal, February 1983.



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Examiner <i>J. Edwards</i>	Date Considered <i>2/1/05</i>
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
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Applicant	Steven Martin Hudson et al.		
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U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
TE	5,394,141	02/28/95	Soulier	340	854.4	

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	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
TE	0 646.304	04/05/95	EPO		YES	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

TE	H. Yasuharu, "DATA TRANSMISSION SYSTEM," Patent Abstracts of Japan of JP Pub No. 57026942 (02/13/82)

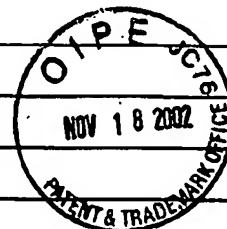
Examiner	T. Edwards	Date Considered	2/1/05
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U.S. PATENT DOCUMENTS							
Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate	
TE	5,576,703	11/19/96	MacLeod et al.	340	854.4		

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Examiner T. Edwards	Date Considered 2/1/05
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Filing Date January 2, 2002	Group:

35021 U.S. PTO
10/032468
01/02/02

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TE	2,364,957	12/12/44	Douglas	—	—	
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	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
TE	WO99/37044	7/22/99	WIPO	—	—	
TE	WO93/26115	12/23/93	WIPO	—	—	

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TE	I. TAKASHI, "METHOD AND DEVICE FOR UNDERWATER SIGNAL TRANSMISSION", Patent Abstracts of Japan of JP 56078240, filed June 27, 1981.

Examiner <i>T. Edwards</i>	Date Considered <i>2/1/05</i>
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